Vol. 29, 1974

Urologia Internationalis

Founded by PETER A. NARATH (1955–1962) and HEINRICH HEUSSER (1955–1967)

Editor
G. MAYOR, Zürich

Editorial Board
C. E. ALKEN, Homburg, Saar
J. J. ALVAREZ IERENA, Mexico
R. ANDERSEN, Oslo
J. AUVERT, Paris
A. BABICS, Budapest
P. BISCHOFF, Hamburg
J. BISQUERTT, Santiago
H. BOEMINGHAUS, Düsseldorf
E. BORS, Cave Creek, Ariz.
K. BOSHAMER, Bad Dürkheim
P. BRUNI, Napoli
TH. BURGHELE, Bucharest
M. CAINE, Jerusalem
A. CARNEIRO DE MOURA, Lisbon
J. C. CHRISTOFFERSEN, Copenhagen
L. CIFUENTES-DELATTE, Madrid
P. J. DENNEHY, Johannesburg
P. DEUTICKE, Wien
J. D. FERGUSSON, London
R. DE FREITAS, São Paulo
G. GIERTZ, Stockholm
S. GIL VERNET, Barcelona
H. U. GLOOR, Zürich
W. E. GOODWIN, Los Angeles, Calif.
W. GRÉGOIR, Bruxelles
I. H. GRIFFITHS, London
H. G. HANLEY, London
F. HINMAN, San Francisco, Calif.
F. A. HUGHES, Montevideo
A. R. KÜSS, Paris
T. KUSUNOKI, Osaka
J. LANGE, Bordeaux
W. F. LEADBETTER, Boston, Mass.
E. LJUNGGREN, Göteborg
L. LOPEZ, Caracas
S. A. MACDONALD, Montreal
H. MARBERGER, Innsbruck
R. I. MATHIS, Buenos Aires
F. MAY, München
E. MICHALOWSKI, Kraków
J. MOMBAERTS, Bruxelles
H. MORTENSEN, Melbourne
A. OBERHOLTZER, Rome
O. OBRANT, Hälsingborg
V. PAČES, Prague
E. PÉREZ-CASTRO, Madrid
S. PETKOVIĆ, Belgrade
A. PUIGVERT, Barcelona
L. N. PYRAH, Leeds
A. PYTEL, Moscow
G. RAVASINI, Padova
D. R. SMITH, San Francisco, Calif.
H. TAKAYASU, Hongo
F. TSUCHIYA, Tokio
R. D. TURNER, Los Angeles, Calif.
R. UEBELHÖR, Wien
A. VILLANUEVA, Mexico City
W. F. WHITMORE New York, N. Y.
E. WILDBOLZ, Bern
D. I. WILLIAMS, London

S. Karger · Basel · München · Paris · London · New York · Sydney

S. Karger · Basel · München · Paris · London · New York · Sydney
Arnold-Böcklin-Strasse 25, CH-4011 Basel (Switzerland)

All rights, including that of translation into other languages, reserved.
Photomechanical reproduction (photocopy, microcopy) of this volume or parts thereof without special permission of the publishers is prohibited.

© Copyright 1974 by S. Karger AG, Verlag für Medizin und Naturwissenschaften, Basel
Printed in Switzerland by National-Zeitung AG, Basel

Index

Feustel, A. und Nietzschmann, U.: Der Einfluss gegengeschlechtlicher Hormonbehandlung und Kastration auf Hämoglobin und Blutkörperchensenkungsgeschwindigkeit beim Prostatakarzinom 1

Kaufmann, J.; Klosterhalfen, H. und Schirren, C.: Operative Therapie der Verschlussaspermie und der idiopatischen Varikozele 23

Schulman, C.C.: Traumatic Rupture of the Testicle. An Underestimated Pathology 31

Comarr, A. E. and Peha, L. J.: Further Cinecystourethrography Studies among Spinal Cord Injury Patients 34

Bopp, G. und Müller-Marienburg, H. W. L.: Harnleiterstenosen bei chronischer Periureteritis und Ureteritis 38

Harn, S. D.; Gilbert, J. P., and Weaver, R. G.: Vesical Marsupialization for Access to Kidneys and Bladder Cavity 48

Gödde, S.: Beitrag zur Klinik und Therapie der überzähligen Niere 56

Moncada, J. und Wenderoth, H.: Bericht über zwei Fälle von retrokavalem Ureter (davon ein Fall bei Situs inversus totalis und Nierenaplasie rechts) ... 69

Frick, J.; Marberger, M., and Marberger, H.: Hormonal Therapy with Steroid-Filled Silastic Rubber Implants 81

Kallistratos, G.: Physiochemical Principles and Clinical Results Concerning the Conservative Treatment of Kidney Stones 93

Funyu, T.; Suzuki, T., and Shiraiwa, Y.: Female Hypospadia. Method of Reconstructive Surgery of the Defective Urethral Wall 114

Wagenknecht, L. V.: Insuffisance rénale à cause d'une bilharziose urinaire chronique 123

Völter, D.; Bürkle, G.; Feine, U.; Ghani, E. und Kummer, D.: Die Resorption von Harnstoff aus Kaninchenharnblasen 133

Thomas, J. A.; Mawhinney, M. G.; Lloyd, J. W., and Smith, C. G.: Passage of Substances into the Lumen of the Isolated Seminal Vesicle of the Guinea Pig 148

2nd Annual Meeting of the International Continence Society
Paris, September, 15–17, 1972

Frimodt-Møller, C.; Gammelgaard, P. A.; Hald, T., and Olesen, K. P.: Urological Investigation in Women with Recurrent Incontinence Following Gynecological Surgery 163
Caldwell, K. P. S.: Clinical Use of Recording Nappy 172
James, E. D. and Flack, F. C.: Assessment of Recording Nappy 174
Alexander, S. and Rowan, D.: Clinical and Hydrodynamic Evaluation of Urinary Incontinence in Women. Clinical Aspects and Analysis of Results 176
Stanton, S. L.; Hill, D. W., and Williams, J. P.: Electromyography of the Detrusor Muscle. Preliminary Communication 182
Arnold, E. P.: Cystometry – Postural Effects in Incontinent Women 185
Warrell, D. W. and Clow, W. M.: Critical Appraisal of Cystometry in Evaluation of Bladder Function 187
Kiesswetter, H.: Das Urethraldruckprofil. Unter Medikamenten, Östrogenen, bei neurogenen Störungen und bei Stressinkontinenz 190
Edwards, L. and Malvern, J.: Studies of Intra-Urethral Pressures in Normal and Incontinent Women 205
Glen, E. S.: Intra-Urethral Pressure Profile and Stimulation Results in Urinary Incontinence 207
Hopkinson, B. R.: The Birmingham Continence Aid 211
Trontelj, J. V.; Janko, M.; Godec, C.; Rakovec, S., and Trontelj, M.: Electrical Stimulation for Urinary Incontinence. A Neurophysiological Study 213
Collins, C. D.: Intermittent Electrical Stimulation 221
Vereecken, R. L.: Experience with Vaginal and Anal Pacemakers 222
Merril, D. C. and Conway, C. J.: Clinical Experience with the Mentor Bladder Stimulator. Preliminary Report 224
Caldwell, K. P. S.: Electrical Stimulation 225
Stockamp, K. and Schreiter, F.: Function of the Posterior Urethra in Ejaculation and its Importance for Urine Control 226
Dröes, J. T. P. M.; Ulden, B. M. van; Donker, P. J., and Landsmeer, J. W. F.: Studies of the Urethral Musculature in the Human Fetus, Newborn and Adult 231
Cass, A. S. and Spence, B. S.: Urinary Incontinence in Myelomeningocele 235
Susset, J. G.; Zinner, N., and Archimbaud, J. P.: Differential Sacral Blocks and Selective Neurotomies in the Treatment of Incomplete Upper Motor Neuron Lesion 236

Constantinou, C. E.; Granato, J. J., jr., and Govan, D. E.: Dynamics of the Upper Urinary Tract. Accommodations in the Rate and Stroke Volume of Ureteral Peristalsis as a Response to Transient Alteration in Urine Flow Rate ... 249
Constantinou, C. E.; Tsuchida, S.; Kavaney, P. B.; Hayman, W. P., and Govan, D. E.: Simulated Vesicoureteral Reflux, Comparison between the Normal and Hydrostatically Bypassed Ureterovesical Junction as a Function of Urine Flow Rate and Bladder Pressure 265
Tsuchida, S. and Sakamoto, K.: An Electroureterographic Study of the Effects of Autonomic Drugs of Ureteral Persistalsis 280
Pagano, F.; Petracco, S.; Anselmo, G.; Cosciani-Cunico, S.; Mazza, G.;

GENERAL BOOKBINDING CO.
75 1388 2 013 1 S
QUALITY CONTROL MARK
4283

Rizzotti, A., and Lembo, A.: Experimental Studies on Electrical Stimulation of the Bladder 291
Skoluda, D.; Richter, I.-E., and Busse, K.: Experiments in Coli Cystitis. Scanning Electron Microscopy of the Bladder Urothelium 299
Watson, R. A.; Gangai, M. P., and Skinsnes, O. K.: Genitourinary Leprosy .. 312
Bichler, K. H.; Porzsolt, F. und Kirchner, Ch.: Serumeiweissbild beim hypernephroiden Karzinom 329
Mizutani, S.; Sonoda, T.; Seki, T., and Matsumoto, K.: Excretion Patterns of Urinary 17-KS and 17-OHCS in Patients with Cushing's Syndrome 341
Breitwieser, P.; Nöske, H. D.; Kraushaar, J.; Herbrich, H.; Temme, H.; Doepp, M., and Steckenmesser, R.: Vergleichende Untersuchungen an der Hundeniere nach CO_2-Gaslaser- und Skalpell-Teilresektion..... 351
Sundin, T. and Pettersson, S.: Open Technique for Ureteric Implantation in Ileal Conduits 369
Eidelberg, E.; Bors, E.; Woodbury, C. M., and Brigham, A.: Effect of Electrical Stimulation of Dorsal and Ventral Spinal Cord Roots on the Cat's Urinary Bladder 375
Shishito, S. and Shirai, M.: Surgical Repair for Hypospadias. A Urethroplasty by Quadruple Layer Sutures 382
Mattelaer, J. J. and Debruyne, F. M. J.: Distal Urethral Stenosis in Young Girls 389
Constantinou, C. E.; Granato, J. J., jr., and Govan, D. E.: Effects of Radiopaque Contrast Media on the Dynamic Characteristics of Ureteral Function 401
Oliver, I.; Weinberger, A.; Bar-Meir, S.; Sperling, O.; Jahav, J., and Vries, A. de: Orthophosphate Treatment of Calcium Lithiasis Associated with Idiopathic Hypercalciuria 414
Bandhauer, K. und Obermayer, W.: Nephrektomie bei metastasierendem Nierenkarzinom 421
Seiferth, J.; Tillmann, B. und Engelking, R.: Eine Kombination von Spina bifida mit Fehlbildungen im Anal- und Urogenitalbereich – ein seltenes Missbildungssyndrom 431
Pust, R.; Riedel, B.; Hendrischk, A. und Rall, E.: Tiefgefrorene autologe Vollhaut als partieller Harnblasenwandersatz bei der Katze 439
Doyle, P. T.; Edwards, L. E.; Harrison, N. W.; Malvern, J., and Stanton, S. L.: Treatment of Urinary Incontinence by External Stimulating Devices .. 450
Zondek, L. H. and Zondek, T.: The Prostatic Utricle in the Fetus and Infant .. 458

Book Reviews – Buchbesprechungen – Livres nouveaux 155, 327, 399, 466
Varia 400
Author Index 470
Subject Index 472

Author Index

Alexander, S. 176
Anselmo, G. 291
Archimbaud, J. P. 236
Arnold, E. P. 185

Bandhauer, K. 421
Bar-Meir, S. 414
Bichler, K. H. 329
Bopp, G. 38
Bors, E. 375
Breitwieser, P. 351
Brigham, A. 375
Bürkle, G. 133
Busse, K. 299

Caldwell, K. P. S. 172, 225
Cass, A. S. 235
Clow, W. M. 187
Collins, C. D. 221
Comarr, A. E. 34
Constantinou, C. E. 249, 265, 401
Conway, C. J. 224
Cosciani-Cunico, S. 291

Debruyne, F. M. J. 389
Doepp, M. 351
Donker, P. J. 231
Doyle, P. T. 452
Dröes, J. T. P. M. 231

Edwards, L. 205
Edwards, L. E. 450
Eidelberg, E. 375
Engelking, R. 432

Feine, U. 133
Feustel, A. 1
Flack, F. C. 174
Frick, J. 81
Frimodt-Møller, C. 163
Funyu, T. 114

Gammelgaard, P. A. 163
Gangai, M. P. 312
Ghani, E. 133
Gilbert, J. P. 48
Glen, E. S. 207
Gödde, S. 56
Godec, C. 213
Govan, D. E. 249, 265, 401
Granato, J. J., jr. 249, 401

Hald, T. 163
Harn, S. D. 48
Harrison, N. W. 450
Hayman. W. P. 265
Hendrischk, A. 439
Herbrich, H. 351
Hill, D. W. 182
Hopkinson, B. R. 211

Jahav, J. 415
James, E. D. 174
Janko, M. 213

Kallistratos, G. 93
Kaufmann, J. 23
Kavaney, P. B. 265
Kiesswetter, H. 190
Kirchner, Ch. 329
Klosterhalfen, H. 23
Kraushaar, J. 351
Kummer, D. 133

Landsmeer, J. W. F. 231
Lembo, A. 291
Lloyd, J. W. 148

Malvern, J. 205, 450
Marberger, H. 81
Marberger, M. 81
Matsumoto, K. 341
Mattelaer, J. J. 389

Mawhinney, M. G. 148
Mazza, G. 291
Merril, D. C. 224
Mizutani, S. 341
Moncada, J. 69
Müller-Marienburg, H. W. L. 38

Nietzschmann, U. 1
Nöske, H. D. 351

Obermayer, W. 421
Olesen, K. P. 163
Oliver, I. 414

Pagano, F. 291
Peha, L. J. 34
Petracco, S. 291
Pettersson, S. 369
Porzsolt, F. 329
Pust, R. 439

Rakovec, S. 213
Rall, E. 439
Richter, I.-E. 299
Riedel, B. 439
Rizzotti, A. 291
Rowan, D. 176

Sakamoto, K. 280
Schirren, C. 23
Schreiter, F. 226
Schulman, C. C. 31
Seiferth, J. 431
Seki, T. 341
Shirai, M. 382
Shiraiwa, Y. 114
Shishito, S. 382
Skinsnes, O. K. 312
Skoluda, D. 299
Smith, C. G. 148
Sonoda, T. 341
Spence, B. S. 235
Sperling, O. 414
Stanton, S. L. 182, 450
Steckenmesser, R. 351
Stockamp, K. 226
Sundin, T. 369
Susset, J. G. 236
Suzuki, T. 114

Temme, H. 351
Thomas, J. A. 148
Tillmann, B. 432
Trontelj, J. V. 213
Trontelj, M. 213
Tsuchida, S. 265, 280

Ulden, B. M. van 231

Vereecken, R. L. 222
Völter, D. 133
Vries, A. de 414

Wagenknecht, L. V. 123
Warrell, D. W. 187
Watson, R. A. 312
Weaver, R. G. 48
Weinberger, A. 414
Wenderoth, H. 69
Williams, J. P. 182
Woodbury, C. M. 375

Zinner, N. 236
Zondek, L. H. 458
Zondek, T. 458

Subject Index

Absorption of urea 133
Amino acids, non-utilizable 148
Anomalies of kidney 56
Arteriography, diagnosis by 56
Atresia of the urethra 432
Autonomic drugs 280

Bladder 34, 48, 172, 174, 182, 187, 207, 222, 224, 235, 236, 265, 299
Bladder emptying 291
Blood corpuscles 1

cAMP-^{3}H and semical vesicles 148
Cancer 1
Castrates 81
Cat 375
Child 235
Chronical ureteritis 38
Cinecystourethrography 34
CO_2 laser in urology 351
Coli cystitis 299
Congenital urethrovaginal communication 114
Cushing's syndrome 341
Cystometry 34, 185

Detrusor 231
Diagnosis by arteriography 56
Dilation 249
Diuresis 249, 265, 401

Electrical stimulation 213, 222, 224, 291, 375
Electrodes 291
Electromyography 182, 213, 249, 265, 401
Electronic control 450
Electrophoresis 329
Electroureterogram 280
Embryology 231
Epididymovasostomy 23
External stimulating devices 450

Female hermaphroditism 114
Female hypospadia 114
a_1-Fetoprotein 329
Fetus 458
Frozen autologous skin graft 439

Genitourinary 312
Gynecomastia 312

Healthy, congested and inflamed urinary bladders 133
Hematocele 31
Hemoglobin 1
Hemostasis after laser incision 351
Hexoses, non-utilizable 148
Human prostate 1
Hypercalciuria 414
Hypernephroma, diagnosis of 329
Hypogonadal man 81
Hypospadias 382

Idiopathic hypercalciuria 414
Idiopathic varioceles, operative therapy 23
Ileal conduits 369
Incontinence 163, 172, 174, 219, 221, 222 235, 236
Infant 458

Kidney 48, 312
–, anomalies of 56
Kidney resection with CO_2 laser 351
Kidney stones 414
– –, chemical treatment 93
– –, formation 93
– –, prophylaxis 93
Klinefelter's syndrome 81
17-KS, fractionation 341

Laser, partial resection on kidney 351
Leprosy 312

Malformations, anal-urogenital area 431

Measurement 185, 187, 236
Metastatic renal cancer 421
Multiple metastases 421

Nephrectomy 421
Neurogenic 34, 236
Neurogenic bladder 213
Neurological 224
Neurophysiology 213

Obstructive aspermia, operative therapy 23
Obstructive uropathy 38
Oestrogens 190
17-OHCS, fractionation 341
Operative indications 56
Orthophosphate 414

Pacemaker 291, 401
Paraproteins 329
Partial urinary bladder replacement 439
Peristalsis 265
Periureteritis plastica 38
Pressure 174, 176, 187, 207
Pressure flow 185
Prostate 458
Prostatic carcinoma, hormonal therapy 81
Pyeloplasty 69
Pyeloureteral dilation 123

Rabbit 299
Radial immunodiffusion 329
Radioactivity 176
Radiopaque contrast media 401
Radio frequency stimulator 291
Recording 174, 207
Recording nappy 172
Rectal prolapse 211
Recurrent incontinence 163
Reflex stimulation 213
Reflux 265
Regression of metastases 421
Renal insufficiency 123
Renal pelvic pressure 265
Retrocaval ureter 69
Retrograde ejaculation 226
Retroperitoneal fibrosis 38

Sedimentation rate 1
Semical vesicle sac 148
Semical vesicle transport processes 148
Serum proteins 329
Sex 312
Scanning electron microscopy 299
Schistosomiasis 123
Silastic implants, steroid-filled 81
Single fibre electromyography 213
Situs inversus 69
Smooth muscle 231
Solitary metastases 422
Sphincterometry 190
Spina bifida 235, 431
Spinal cord injury 34
Spinal cord lesions 190
Spinal roots 375
Statistics 176
Stimulation 190, 211, 221, 236
Striated muscles 231
Subfertile men 81
Surgery 31, 235
Surgical repair for hypospadias 382
Sustained hormonal release 81
Sympathetic bladder neck innervation 226

Testicle 31
Testis 312
Testosterone substitution 81
Theoretical model 176
Therapy 56
–, castration, estrogen, cynotal 1
Trauma 31
Traumatic 34
Trigone 231

Unilateral renal agenesis 69
Ureter 265
Ureteral function 280
–, peristalsis 249, 401
–, stenosis 38, 123
Ureteric implantation 369
Ureteroplasty 69, 114, 382
Urethra 207, 211, 221, 231, 236
Urethral pressure 190
Urinary bladder 375

–, incontinence 176, 207, 213, 226, 450
–, retention 226
–, stress incontinence 190
Urination 176
Urine 211, 221
–, flow symmetry 249
–, loss 222
Urodynamics 163
Urogenital bilharziasis 123
Utricle 458

Vena spermatica, high ligation 23
Vesical marsupialization 48
Vesicoureteral reflux 401
Vesicular constituents 148
–, model 148